

### DECLARATION OR OATH

- ☒ Continuation or Divisional (copy of original Declaration/Oath is attached)
- ☐ Continuation-in-part
- ☐ Attached, and executed by:
- ☐ inventor(s)
- ☐ legal representative of inventor(s) (37 CFR 1.42 or 1.43)
- ☐ joint inventor or person showing a proprietary interest for inventor who refused to sign or cannot be reached (37 CFR 1.47)
- ☐ This is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached.
- ☐ Not attached
- ☐ Application is made by a person authorized under 37 CFR 1.41(c) on behalf of all of the above-named applicant(s).
- ☐ Attached is a showing that the filing is authorized.

### IDENTIFICATION OF CLAIMS FOR FURTHER PROSECUTION

- ☒ The fees to be charged are to be based on the number of claims remaining as a result of the:
- ☐ attached preliminary amendment
- ☐ cancellation of claim(s)
- ☒ claims in the application

### FEE CALCULATION (37 CFR 1.16)

	NUMBER OF CLAIMS FILED	LESS NUMBER PAID BY BASIC FEE	NUMBER OF EXTRA CLAIMS (Not less than zero)	ENTITY FEE
Basic Fee				\$750.00
Total Claims	20	- 20 = 0	X \$0 =	\$0.00
Independent Claims	3	- 3 = 0	X \$0 =	\$0.00

**COMBINED DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☐ original
- ☐ divisional
- ☐ continuation
- ☒ continuation-in-part

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD OF DECREASING THE K VALUE IN SIOC LAYER DEPOSITED  
BY CHEMICAL VAPOR DEPOSITION**

**SPECIFICATION IDENTIFICATION**

The specification of which:

- ☐ is attached hereto
- ☒ was filed on **October 5, 2000**, under Serial No. **09/679,843**, executed on even date herewith; or
- ☐ Express Mail No. (as Serial No. not yet known)  
and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_  
filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

**PRIORITY CLAIM (35 U.S.C. §119)**

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

- A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

- B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:  
Application No:  
Filing date:

- C. U.S. Provisional Application filed within 12 months prior to this application

<u>Serial No.</u>	<u>Filing Date</u>
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**PRIORITY CLAIM (35 U.S.C. §120)**

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

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		<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>
09/247,381	02/10/1999		X	
09/465,233	12/16/1999	X		
09/021,788	02/11/1998		X	
09/553,461	04/19/2000		X	
09/162,915	09/29/1998		X	
09/185,555	11/04/1998		X	

#### POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Donald Verplancken	Registration No. 33,217
Michael B. Einschlag	Registration No. 29,301
Peter J. Sgarbossa	Registration No. 25,610
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Michael L. Sherrard	Registration No. 28,041
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Keith M. Tackett	Registration No. 32,008

#### Send correspondence to:

Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450-A  
Santa Clara, CA 95052

#### Direct telephone calls to:

B. Todd Patterson  
THOMASON, MOSER & PATTERSON, L.L.P.  
(713) 623-4844

#### DECLARATION

*I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.*

Full name of sole or first inventor: FREDERIC GAILLARD

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 38500 Voiron  
Rue des Tallifardierest

Post Office Address: Same as above.  
FRANCE

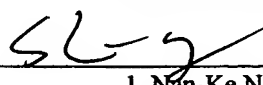
Country of Citizenship: FRANCE

Full name of second inventor: LI-QUN XIA  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Santa Clara, California 95054  
868 Leith Avenue  
Post Office Address: Same as above.  
U.S.A. Country of Citizenship: P.R. OF CHINA

Full name of third inventor: TIAN-HOE LIM  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Santa Clara, California 95051  
3282 St. Ignatious Place, #338  
Post Office Address: Same as above.  
U.S.A. Country of Citizenship: SINGAPORE

Full name of fourth inventor: ELLIE YIEH  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: San Jose, California 95138  
5888 Pistoia Way  
Post Office Address: Same as above.  
U.S.A. Country of Citizenship: U.S.A.

Full name of fifth inventor: WAI-FAN YAU  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Mountain View, California 94040  
158 Gretel Lane  
Post Office Address: Same as above.  
U.S.A. Country of Citizenship: U.S.A.

Full name of sixth inventor: SHIN-PUU JENG  
Inventor's signature:  \_\_\_\_\_ Date: 12/19/2000  
Residence: 1, Nan-Ke N. Rd., Science-Based Industrial Park,  
Shan-Hua, Tainan, TAIWAN 741  
Post Office Address: Same as above.  
TAIWAN. Country of Citizenship: U.S.A.

Full name of seventh inventor: KUOWEI LIU

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Santa Clara, California 95008  
163 N. San Tomas Aquino Road

Post Office Address: Same as above.  
U.S.A.

Country of Citizenship: U.S.A.

Full name of eighth inventor: YUNG-CHENG LU

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: San Jose, California 95117

Post Office Address: 3671 Greenlee Drive, #3  
U.S.A.

Country of Citizenship: TAIWAN

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Full name of sole or first inventor: **FREDERIC GAILLARD**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: **38500 Voiron  
Rue des Tallifardierest**

Post Office Address: **Same as above.  
FRANCE**

Country of Citizenship: **FRANCE**

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U.S.A. Country of Citizenship: U.S.A.

Full name of sixth inventor: SHIN-PUU JENG  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Cupertino, California 95014  
20804 Dunbar Drive  
Post Office Address: Same as above.  
U.S.A. Country of Citizenship: U.S.A.

Full name of seventh inventor: KUOWEI LIU  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Santa Clara, California 95008  
163 N. San Tomas Aquino Road  
Post Office Address: Same as above.  
U.S.A. Country of Citizenship: U.S.A.

Full name of eighth inventor: YUNG-CHENG LU

Inventor's signature: Yung-Cheng Lu Date: 11/19/00  
Residence: San Jose, California 95117 F.2 No.4 Ln.114 Sec.7  
Post Office Address: 3671 Greenlee Drive, #3 Chungshan N. Road, Taipei, Taiwan  
U.S.A. Y.c.lu Country of Citizenship: TAIWAN Y.c.lu

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Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: **38500 Voiron**  
**Rue des Tallifardierest**  
Post Office Address: **Same as above.**  
**FRANCE**

Country of Citizenship: **FRANCE**

Full name of second inventor:

LI-QUN XIA

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence:

Santa Clara, California 95054

868 Leith Avenue

Post Office Address:

Same as above.

U.S.A.

Country of Citizenship: P.R. OF CHINA

Full name of third inventor:

TIAN-HOE LIM

Inventor's signature: \_\_\_\_\_

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Residence:

Santa Clara, California 95051

3282 St. Ignatious Place, #338

Post Office Address:

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U.S.A.

Country of Citizenship: SINGAPORE

Full name of fourth inventor:

ELLIE YIEH

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence:

San Jose, California 95138

5888 Pistoia Way

Post Office Address:


Same as above.

U.S.A.

Country of Citizenship: U.S.A.

Full name of fifth inventor:

WAI-FAN YAU

Inventor's signature:  \_\_\_\_\_

Date: 12/8/2000

Residence:

Mountain View, California 94040

158 Gretel Lane

Post Office Address:

Same as above.

U.S.A.

Country of Citizenship: U.S.A.

Full name of sixth inventor:

SHIN-PUU JENG

Inventor's signature: \_\_\_\_\_

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Cupertino, California 95014

20804 Dunbar Drive

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I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

### PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

- A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
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☐ Yes ☐ No

☐ Yes ☐ No

☐ Yes ☐ No

- B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:

Application No:

Filing date:

- C. U.S. Provisional Application filed within 12 months prior to this application

Serial No.

Filing Date

### PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☐ No such applications have been filed

☒ Such applications have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>		
		<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>
09/247,381	02/10/1999		X	
09/465,233	12/16/1999	X		
09/021,788	02/11/1998		X	
09/553,461	04/19/2000		X	
09/162,915	09/29/1998		X	
09/185,555	11/04/1998		X	

#### POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Donald Verplancken	Registration No. 33,217
Michael B. Einschlag	Registration No. 29,301
Peter J. Sgarbossa	Registration No. 25,610
Lawrence Edelman	Registration No. 25,226
Michael L. Sherrard	Registration No. 28,041
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Robert W. Mulcahy	Registration No. 25,436
Raymond R. Moser, Jr.	Registration No. 34,682
B. Todd Patterson	Registration No. 37,906
Keith M. Tackett	Registration No. 32,008

Send correspondence to:

Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450-A  
Santa Clara, CA 95052

Direct telephone calls to:

B. Todd Patterson  
THOMASON, MOSER & PATTERSON, L.L.P.  
(713) 623-4844

#### DECLARATION

*I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.*

Full name of sole or first inventor: FREDERIC GAILLARD

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 38500 Voiron  
Rue des Tallifardierest  
Post Office Address: Same as above.  
FRANCE

Country of Citizenship: FRANCE


Full name of second inventor: LI-QUN XIA  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Santa Clara, California 95054  
868 Leith Avenue  
Post Office Address: Same as above.  
U.S.A. Country of Citizenship: P.R. OF CHINA

Full name of third inventor: TIAN-HOE LIM  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Santa Clara, California 95051  
3282 St. Ignatious Place, #338  
Post Office Address: Same as above.  
U.S.A. Country of Citizenship: SINGAPORE

Full name of fourth inventor: ELLIE YIEH  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: San Jose, California 95138  
5888 Pistoia Way  
Post Office Address: Same as above.  
U.S.A. Country of Citizenship: U.S.A.

Full name of fifth inventor: WAI-FAN YAU  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Mountain View, California 94040  
158 Gretel Lane  
Post Office Address: Same as above.  
U.S.A. Country of Citizenship: U.S.A.

Full name of sixth inventor: SHIN-PUU JENG  
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Cupertino, California 95014  
20804 Dunbar Drive  
Post Office Address: Same as above.  
U.S.A. Country of Citizenship: U.S.A.

Full name of seventh inventor: KUOWELLIU  
Inventor's signature:  Date: Nov. 30, 2000

Residence: Santa Clara, California 95008  
163 N. San Tomas Aquino Road  
Post Office Address: Same as above.  
U.S.A. Country of Citizenship: U.S.A.

Full name of eighth inventor: YUNG-CHENG LU

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: San Jose, California 95117  
Post Office Address: 3671 Greenlee Drive, #3  
U.S.A. Country of Citizenship: TAIWAN

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**COMBINED DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☐ original
- ☐ divisional
- ☐ continuation
- ☒ continuation-in-part

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD OF DECREASING THE K VALUE IN SIOC LAYER DEPOSITED  
BY CHEMICAL VAPOR DEPOSITION**

**SPECIFICATION IDENTIFICATION**

The specification of which:

- ☐ is attached hereto
- ☒ was filed on **October 5, 2000**, under Serial No. 09/679,843, executed on even date herewith; or
- ☐ Express Mail No. (as Serial No. not yet known)  
and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_  
filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

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<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

- B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:  
Application No:  
Filing date:

- C. U.S. Provisional Application filed within 12 months prior to this application

<u>Serial No.</u>	<u>Filing Date</u>
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09/162,915	09/29/1998		X	
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Applied Materials, Inc.  
P.O. Box 450-A  
Santa Clara, CA 95052

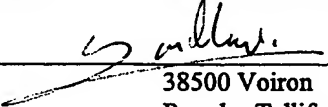
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(713) 623-4844

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Full name of sole or first inventor: FREDERIC GAILLARD

Inventor's signature:  Date: 11/15/2000

Residence: 38500 Voiron  
Rue des Tallifardierest

Post Office Address: Same as above.  
FRANCE

Country of Citizenship: FRANCE



Full name of second inventor:

LI-QUN XIA

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence:

Santa Clara, California 95054

868 Leith Avenue

Post Office Address:

Same as above.

U.S.A.

Country of Citizenship: P.R. OF CHINA

Full name of third inventor:

TIAN-HOE LIM

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence:

Santa Clara, California 95051

3282 St. Ignatious Place, #338.

Post Office Address:

Same as above.

U.S.A.

Country of Citizenship: SINGAPORE

Full name of fourth inventor:

ELLIE YIEH

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence:

San Jose, California 95138

5888 Pistoia Way

Post Office Address:

Same as above.

U.S.A.

Country of Citizenship: U.S.A.

Full name of fifth inventor:

WAI-FAN YAU

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence:

Mountain View, California 94040

158 Gretel Lane

Post Office Address:

Same as above.

U.S.A.

Country of Citizenship: U.S.A.

Full name of sixth inventor:

SHIN-PUU JENG

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence:

Cupertino, California 95014

20804 Dunbar Drive

Post Office Address:

Same as above.

U.S.A.

Country of Citizenship: U.S.A.

Full name of seventh inventor:

KUOWEI LIU

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: Santa Clara, California 95008  
163 N. San Tomas Aquino Road  
Post Office Address: Same as above.  
U.S.A. Country of Citizenship: U.S.A.

Full name of eighth inventor: YUNG-CHENG LU

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: San Jose, California 95117  
Post Office Address: 3671 Greenlee Drive, #3  
U.S.A. Country of Citizenship: TAIWAN

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